



FAX 382-7588

Work Order #: M107011

COC REV 3/99



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7 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 07/04/01 09:17. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M107011



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/06/01 08:43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMLA02MI	M107011-01	Soil	07/04/01 09:00	07/04/01 09:17

COC #148

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

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Reported:
07/06/01 08:43

Polychlorinated Biphenyls per EPA Method 8082

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA02MI (M107011-01) Soil					Sampled: 07/04/01 Received: 07/04/01				
Aroclor 1016	ND	1670	ug/kg dry	1	EPA 8082	07/05/01	07/05/01	0107023	
Aroclor 1221	ND	3340	"	"	"	"	"	"	
Aroclor 1232	ND	1670	"	"	"	"	"	"	
Aroclor 1242	ND	1670	"	"	"	"	"	"	
Aroclor 1248	ND	1670	"	"	"	"	"	"	
Aroclor 1254	9770	1670	"	"	"	"	"	"	
Aroclor 1260	ND	1670	"	"	"	"	"	"	
<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	<i>NR</i>	<i>55-130</i>							<i>S-01</i>
<i>Surr: Decachlorobiphenyl</i>	<i>NR</i>	<i>55-130</i>							<i>S-01</i>

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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07/06/01 08:43

Physical Parameters per APHA/ASTM/EPA Methods
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA02MI (M107011-01) Soil					Sampled: 07/04/01 Received: 07/04/01				
% Solids	64.6	0.0100 % by Weight	1		Gravimetric	07/04/01	07/05/01	0107024	

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07/06/01 08:43

Polychlorinated Biphenyls per EPA Method 8082 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0107023 - 3545 ASE

Blank (0107023-BLK1)

Prepared & Analyzed: 07/05/01

Aroclor 1016	ND	167	ug/kg wet
Aroclor 1221	ND	334	"
Aroclor 1232	ND	167	"
Aroclor 1242	ND	167	"
Aroclor 1248	ND	167	"
Aroclor 1254	ND	167	"
Aroclor 1260	ND	167	"

<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	52.1	"	66.7	78.1	55-130
<i>Surr: Decachlorobiphenyl</i>	48.8	"	66.7	73.2	55-130

LCS (0107023-BS1)

Prepared & Analyzed: 07/05/01

Aroclor 1254	553	167	ug/kg wet	667	82.9	55-130
<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	41.8		"	66.7	62.7	55-130
<i>Surr: Decachlorobiphenyl</i>	40.7		"	66.7	61.0	55-130

LCS Dup (0107023-BSD1)

Prepared & Analyzed: 07/05/01

Aroclor 1254	610	167 ug/kg wet	667	91.5	55-130	9.80	40
<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	43.7	"	66.7	65.5	55-130		
<i>Surr: Decachlorobiphenyl</i>	46.2	"	66.7	69.3	55-130		

Matrix Spike (0107023-MS1)

Source: M107011-01

Prepared & Analyzed: 07/05/01

Aroclor 1254	3890	3340	ug/kg dry	996	9770	NR	55-130		Q-03
<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	NR	"	99.6		55-130				S-01
<i>Surr: Decachlorobiphenyl</i>	NR	"	99.6		55-130				S-01

Matrix Spike Dup (0107023-MSD1)

Source: M107011-01

Prepared & Analyzed: 07/05/01

Aroclor 1254	4900	3340	ug/kg dry	1000	9770	NR	55-130	23.0	40	Q-03
<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	NR	"	100		55-130					S-01
<i>Surr: Decachlorobiphenyl</i>	NR	"	100		55-130					S-01

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Notes and Definitions

- Q-03 The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte already present in the sample.
- S-01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.
- wet Sample results reported on a wet weight basis (as received)
- RPD Relative Percent Difference

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M107011 FINAL 07 06 01 0843.mdb Default Report (not modified)
0107023-MS1	8082 PCB	Aroclor 1254	Q-03
0107023-MS1	8082 PCB	2,4,5,6-Tetrachloro-m-xylene	S-01
0107023-MS1	8082 PCB	Decachlorobiphenyl	S-01
0107023-MS1	8082 PCB	Aroclor 1254	Exceeds lower control limit
0107023-MSD1	8082 PCB	Aroclor 1254	Q-03
0107023-MSD1	8082 PCB	2,4,5,6-Tetrachloro-m-xylene	S-01
0107023-MSD1	8082 PCB	Decachlorobiphenyl	S-01
0107023-MSD1	8082 PCB	Aroclor 1254	Exceeds lower control limit
M107011-01	8082 PCB	2,4,5,6-Tetrachloro-m-xylene	S-01
M107011-01	8082 PCB	Decachlorobiphenyl	S-01